

TDRs required for dried products with nitrates >2.0%

<i>Approved</i>			
TEMPORARY DEVIATION REQUEST		TDR NUMBER	081TDR16
PRODUCT			
Product Description	Cu 1949P	Code No	56213324
Customer/Application	Godrej (Cu 1950P)	Originated By	J Pettry
Lot No. Or Period Covered	EL00833	Required Date	06/15/2016
Quantity	20,000lbs	Department	Copper
Type	Elyria		
Person(s) Consulted			

EVALUATOR TITLE	Status	
Product Engineer Jack Pettry	Approved - 06/15/2016 by Jack Pettry	
Manufacturing Manager Leon Zavodnik	Approved - 06/15/2016 by Abdallah Ahmed	
Quality Manager David A Solyom	Approved - 06/14/2016 by David A Solyom	

STANDARD DEVIATION	DEVIATION CONDITION				
Lot Number					
TDR Request Number					
Property Spec.					
NO3 <2.0%	2.17%				

Assignable Condition								
Issues with belt filter.								
Corrective Action								
Belt cloth was replaced and washing conditions adjusted to lower NO3 level. When material is fed to the calciner rate will be lowered to 300lbs per hour max. 2.17% NOx calculates out to 326lbs/hour to stay 10lbs/day NOx emission. 300lbs/hr will keep up well below that level.								
Material Disposition (If applicable)								
Use as is								
Comments								
Dried Powder	Lot	Tote ID	Total Dried Wt	%NO3 in Dried Powder	Hours of Calcination @350 lbs/hr	Max Calcined Rate Based On 24 Hours	Hours of Calcination @ Max Rate	
Cu 1949P	EL00833	1-5	20000	2.17	43	326	46	
Cu 1949P	EL00834	1-4	16000	1.86	34	380	32	



<i>Approved</i>	
TEMPORARY DEVIATION REQUEST	
PRODUCT	
Product Description	Cu 1949P
Customer/Application	Godrej (Cu 1950)
Lot No. Or Period Covered	EL00835
Quantity	20000
Type	Elyria
Person(s) Consulted	

TDR NUMBER	084TDR16
Code No	56213324
Originated By	J Pettry
Required Date	06/15/2016
Department	copper

Approved

TEMPORARY DEVIATION REQUEST PRODUCT	
Product Description	Cu 1819P
Customer/Application	
Lot No. Or Period Covered	EL00206
Quantity	18,500lbs
Type	Elyria

TDR NUMBER	system will assign
Code No	56213589
Originated By	J Pettry
Required Date	08/31/2016
Department	pill room

Person(s) Consulted

EVALUATOR TITLE	Status	
Product Engineer Jack Pettry	Approved - 08/31/2016 by Jack Pettry	
Manufacturing Manager Leon Zavodnik	Approved - 08/31/2016 by Abdallah Ahmed	
Quality Manager David A Solyom	Approved - 08/31/2016 by David A Solyom	

STANDARD DEVIATION	DEVIATION CONDITION				
Lot Number	206				
TDR Request Number					
Property Spec.					
NO3 target <2.0%	2.6, 3.0				

Assignable Condition
The lot was analyzed twice. The results were 2.6 and 3.0%. We are testing dried lots since there is variation in the wash process on belt filter.
Corrective Action
The calciner rate will be adjusted accordingly.
Material Disposition (If applicable)
Use as is
Comments